

# NASA TECH BRIEF

## NASA Pasadena Office



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### Magnet-Wire Wrapping Tool for Integrated Circuits

#### The problem:

To wrap magnet wire around integrated-circuit terminals uniformly and securely without damaging the insulative coating on the wire.

#### The solution:

A wire-dispensing tool which resembles a mechanical pencil.

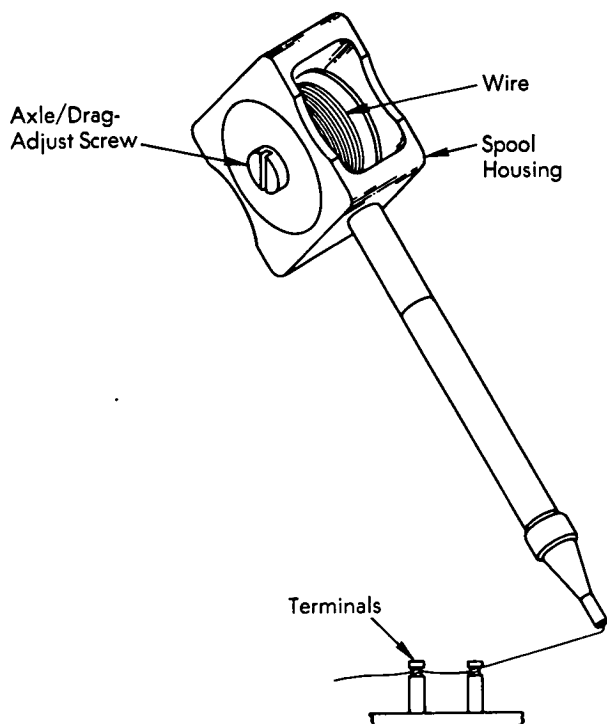
#### How it's done:

The tool shown in the diagram carries a supply of magnet wire on a spool. The wire passes through the hollow pencil-like stem and then through a tip of small diameter. The tool is manipulated easily inasmuch as it fits in the hand like a pencil; the tip is readily made to execute wire-wrapping movements. The tightness of the wire wrap is controlled by tension on the wire; the tension is controlled by restricting the unwinding of the wire from the spool by means of friction controlled by a screw on the axle supporting the spool.

#### Note:

Requests for further information may be directed to:

Technology Utilization Officer  
NASA Pasadena Office  
4800 Oak Grove Drive  
Pasadena, California 91103  
Reference: TSP 72-10426



#### Patent status:

No patent action is contemplated by NASA.

Source: Ted H. Takahashi of  
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